

REQUEST FOR QUOTATION

-Gate# 358 GenSet Installation

The US Embassy invites registered and experienced companies for the installation of a new generator set in one of the residences (Gate# 358) at Ezulwini. The generator set is a 50KVA, three phase set and it feeds the main house and an out building. However, a temporal 40KVA mobile generator has to be installed before arrival of the 'permanent' 50KVA generator. More details below;

Preparation.

- Remove pavers and excavate ground for the concrete slab.
- Create a proper foundation for slab.
- Soil to be compacted to 95% of original density.
- Soil shall be treated to provide 100 KPa load bearing capacity.
- Cast slab to be 2.5M x 1.5M size and should sit 200MM above ground.
- Slab should have a sleeve for the cables.
- Concrete strength must be 25MPa with steel reinforcement.
- Remove pavers towards the main house as well as towards cottage.
- Remove soil and open trenching for cables.

Temporal Generator

- Remove 40 KVA mobile generator from GSO (Kent Rock) compound.
- Transport to new site (eZulwini).
- Install generator.
- Generator to be removed once new generator arrives.
- Transport mobile generator back to GSO compound once new generator is installed.

Electrical.

- Provide 380V Clear-line Filter in a Galvanized meter box.
- Provide Sleeves and trunking for electrical cables.
- Convert DB panels from single phase supply to three phases for main house and out building.
- Provide circuit breakers for new DB's.
- Provide three phase meter box.
- Provide 16mm x 4 core SWA PVC Cable including earth wire from pole to meter box and to DB's.
- Initiate and furnish connection of three phase power with Electricity Supply Company.

New Set Installation.

- Transport new 50KVA generator from GSO compound to new site (Ezulwini)
- **Changeover Switch** and a **Clear Line Filter** will each require weatherproof enclosures.
- The ATS will need a **Stainless Steel Enclosure** (1000x800x320mm) with a **Glass Door** and the Filter will require an enclosure (700x600x270mm) with a plain door.
- The Clear Line Filter must have a rating of 70A or above and it will be used as protection to the unstable line voltage from the City Supply.
- Approximately 100M of cabling is required for this project.

The correct standards have to be followed when doing the grounding for this project. Cabling and material for this work is available locally.

Contractor's Responsibility

The quotation should be submitted with a project schedule with clear time lines. Upon contract award, the contractor would be required to submit a list of workers together with their photo IDs for security clearance, if the team is not already cleared. During project execution, the team is expected to clean the work area at the end of each work day. Also, contractor must ensure that workers are always in full protective gear whilst within the USG facility. Contractors are required to all local safety & environmental regulations.

A site visit for this project is planned for next Monday (February 08, 2016) at 14:30 hours at the new residence. The meeting point will be **The bus stop area before the turn to MTN HQ when you are coming from Mbabane – next to Ezulwini Sun premises**, at 14:20 hours, **BE ON TIME**. From there we will proceed to the residence. Quotation submission deadline is next Thursday (February 11, 2016) at 13:00 hours. Quotations should **ONLY** be sent to Mduduzi Mndzebele at and MbabaneProcurement@state.gov or hand delivered at the US Embassy's GSO Compound main gate.